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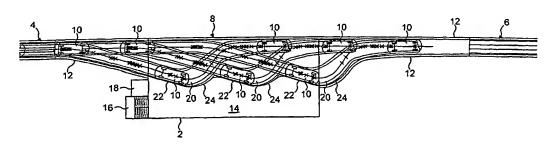
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(54) Title: STATION DESIGN



(57) Abstract: A station (2) in a personal rapid transit system has a platform (14), the edge of which defines bays (20) for parked vehicles (10). The parked vehicles are out of the path of travelling vehicles moving in a transit path extending between an entry section (4) and an exit section (6). The bays (10) include parking sections (22) alongside which the vehicles may park to enable easy transfer of passengers into and out of the vehicles. The disposition of the parking sections (22) allows the steered vehicles (10) to park close to the platform edge. The stations comprise bypass tracks (36) branched off the main track (30) and disposed in various configurations.

# INTERNATIONAL SEARCH REPORT

International Application No

A. CLASSIF	CLASSIFICATION OF SUBJECT MATTER PC 7 E01F1/00							
According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED								
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Documentati	on searched other than minimum documentation to the extent that su	ch documents are included in the fields se	arched					
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EPO-Int	ternal, WPI Data, PAJ							
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where appropriate, of the relev	vant passages	Relevant to claim No.					
P,X	DR. JON BELL, PRESBYTERIAN COLLEGI	E,	1,2, 4-10,22					
	CLINTON SC: "San Francisco, Cali Bay Area Rapid Transit (BART)"'On	fornia: line!	4-10,22					
	XP002291760	, , , , ,						
	Retrieved from the Internet:	11	•					
	<pre>URL:http://web.presby.edu/{jtbell, SanFrancisco/BART/&gt;</pre>	/transit/						
	retrieved on 2004-08-09!							
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° Special ca	ategories of cited documents :	T° later document published after the inte	ernational filing date					
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other	*O* document referring to an oral disclosure, use, exhibition or other mans of the mans of							
"P" docum later t	ent published prior to the international filing date but han the priority date claimed	*&* document member of the same patent family						
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report					
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International Application No
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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
P,X	-& DR. JON BELL, PRESBYTERIAN COLLEGE, CLINTON SC: "San Francisco, California: Bay Area Rapid Transit (BART)"'Online! XP002291761 Retrieved from the Internet: URL:http://web.presby.edu/{jtbel1/transit/images/SanFrancisco/BART/DublinBus2.jpg> 'retrieved on 2004-08-09!	1,2,4-6, 8-10		
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 13, 30 November 1999 (1999-11-30) -& JP 11 209926 A (HINO AUTO BODY LTD), 3 August 1999 (1999-08-03) abstract	1,2,4,5,		
X	US 4 061 089 A (SAWYER ELBERT MORGAN) 6 December 1977 (1977-12-06) column 9, line 30 - line 68	11-21		
Υ	figure 10	3		
•				
C	·			

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
T/GB2004/001594

	Patent document cited in search report		Publication Patent family date member(s)		Patent family member(s)	Publication date	
	JP 11209926	Α	03-08-1999	NONE			
Ì	US 4061089	A	06-12-1977	NONE			

Form PCT/ISA/210 (patent family annex) (January 2004)